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WILDLIFE REVIEW

U.S. DEPARTMENT OF THE INTERIOR
March 3, 1849

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[U.S. Fish & Wildl. Serv., Div. Refuges & Wildl., Wildl. Manage. Off., Jackson Mall Off., Suite 308, 300 Woodrow Wilson Ave., Jackson, MS 39213] *Aix sponsa* and *Castor canadensis.*

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[Neubert: Inst. Toxikol. & Embryopharmakol., Freie Univ. Berlin, Garystr. 5, D-1000 Berlin 33, Germany] *Callithrix jacchus*.

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91-002563 Feir, Dorothy, editor. LYME DISEASE IN THE SOUTHCENTRAL UNITED STATES. A SYMPOSIUM PRESENTED AT THE ANNUAL MEETING OF THE MISSOURI ACADEMY OF SCIENCE, APRIL 28, 1990, SAINT LOUIS UNIVERSITY. *Mo. Acad. Sci. Occas. Pap.* No. 8. 40p. 1990. Available at $7.00 from Mo. Acad. Sci., c/o NMSU Barnett Hall, P.O. Box 828, Kirksville 63501. WR 223
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[South African Bird Ringing Unit, Univ. Cape Town, Rondebosch 7700, South Africa]

91-003239 Onley, Derek, compiler. RECENT REPORTS. *OSNZ News* No. 57. p. 10-11. 1990. WR 223

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[Postbus 51273, 1007 EG Amsterdam, Netherlands]

91-003241 Oreel, Gerald J. RECENT WP REPORTS. *Dutch Birding* 12(5):258-262. 1990. WR 223
[Postbus 51273, 1007 EG Amsterdam, Netherlands] Data for 40 species.

91-003242 Paxton, Robert O.; William J. Boyle, Jr., and David A. Cutler. THE NESTING SEASON: JUNE 1-JULY 31, 1990. HUDSON-DELAWARE REGION. *Am. Birds* 44(5):1116-1120. 1990. WR 223
[460 Riverside Dr., Apt. 72, New York, NY 10027]

91-003243 Peterjohn, Bruce G. THE NESTING SEASON: JUNE 1-JULY 31, 1990. MIDDLEWESTERN PRAIRIE REGION. *Am. Birds* 44(5):1138-1142. 1990. WR 223
[105-K E. Ticonderoga Dr., Westerville, OH 43081]

BIRDS—FAUNAS, COMMUNITIES, AND MANUALS (Continued)

91-003244 Petersen, Aevar and Sverrir Thorstensen. [THE BIRD FAUNA COMPOSITION NEAR ADALDALUR AIRPORT, N-ICELAND, 1987.] *Bliki* No. 9. p. 3-6. 1990. In Icelandic with English summ. WR 223
[Natturufraedistofnun Islands, Postholf 5320, 125 Reykjavik, Iceland] *Turdus iliacus, Anthus pratensis, Acanthis flammea*, and 11 other species.

91-003245 Petersen, Aevar and Sverrir Thorstensen. [BIRDLIFE AT AKUREYRI AIRPORT AND SURROUNDING WETLAND AREAS, N-ICELAND, 1987.] *Bliki* No. 9. p. 7-20. 1990. In Icelandic with English summ. WR 223
[Natturufraedistofnun Islands, Postholf 5320, 125 Reykjavik, Iceland] *Somateria mollissima, Larus ridibundus, L. canus, Sterna paradisaea*, and 23 other species.

91-003246 Petersen, Wayne R. THE NESTING SEASON: JUNE 1-JULY 31, 1990. NEW ENGLAND REGION. *Am. Birds* 44(5):1112-1115. 1990. WR 223
[Conserv. Dep., Audubon Soc., Lincoln, MA 01773]

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91-003248 Phillips, James D., editor. FIELD NOTES: SPRING SEASON - MARCH THROUGH MAY, 1990. *Redstart* 57(4):113-115. 1990. WR 223
[900 Reynolds Ave., Princeton, WV 24740]

91-003249 Porisson, Skarphedinn. [BIRDLIFE A EGILSSTADIR AIRPORT, E-ICELAND.] *Bliki* No. 9. p. 29-40. 1990. In Icelandic with English summ. WR 223
[Natturufraedistofnun Islands, Postholf 5320, 125 Reykjavik, Smarahvammi 1b, 701 Egilsstadir, Iceland] Data for 70 species.

91-003250 Prather, Bill. TAMARACK RANCH/JUMBO RESERVOIR FIELDTRIP REPORT (SEPTEMBER 15, 1990). *C. F. O. (Colo. Field Ornithol.) J.* 25(1):27. 1991. WR 223
[13810 Weld Co. Rd. 1, Longmont, CO 80504]

91-003251 Price, Trevor and Nitin Jamdar. THE BREEDING BIRDS OF OVERA WILDLIFE SANCTUARY, KASHMIR. *J. Bombay Nat. Hist. Soc.* 87(1):1-15. 1990. WR 223
[Jamdar: Bombay Nat. Hist. Soc., Shaheed Bhagat Singh Rd., Bombay-400 023, India]

91-003252 Puchstein, K. [DEVELOPMENT OF A RESIDENTIAL MEADOW BIRD COMMUNITY IN AN EXPERIMENTAL PLOT IN EAST HOLSTEIN FROM 1964 TO 1974.] *Corax* 11(4):318-331. 1986. In German. WR 223
[Falkenburger Str. 8, 2360 Bad Segeberg, Germany]

91-003253 Purrington, Robert D. THE NESTING SEASON: JUNE 1-JULY 31, 1990. CENTRAL SOUTHERN REGION. *Am. Birds* 44(5):1143-1147. 1990. WR 223
[Dep. Physics, Tulane Univ., New Orleans, LA 70118]

91-003254 Pyle, Ann H. KUMBRABOW BREEDING BIRD SURVEYS. *Redstart* 57(4):89-91. 1990. WR 223
[1111 Lakeview Dr., Parkersburg, WV 26104]

91-003255 Pyle, Robert L. THE NESTING SEASON: JUNE 1-JULY 31, 1990. HAWAIIAN ISLANDS REGION. *Am. Birds* 44(5):1189-1190. 1990. WR 223
[741 N. Kalaheo Ave., Kailua, HI 96734]

91-003256 Ranftl, Helmut and Waltraud Schwab. [THE IMPORTANCE OF SMALL MEADOW PLOTS FOR THE PROTECTION OF BIRDS.] *Ecol. Birds* 12(1):63-71. 1990. In German with English summ. WR 223
[Inst. Vogelkunde Triesdorf, Am Kreuzweiher 3, D-8825 Weidenbach, Germany] *Vanellus vanellus* and *Alauda arvensis* in Germany.

91-003257 Reichel, James D. and Philip O. Glass. CHECKLIST OF THE BIRDS OF THE MARIANA ISLANDS. *Elepaio* 51(1):3-10. 1991. WR 223

91-003258 Repa, Pavel. [THE CHANGED SPECIES COMPOSITION OF THE BIRD COMMUNITY IN THE FORESTS OF TACHOVSKE BRAZDA DISTRICT (WEST BOHEMIA), 1973-1985.] *Zpr. Muz. Zapadoces. Kraje* 38-39:73-82. 1989. In Czech with German summ. WR223
[Okresni Muz., tr. Miru 447, 347 11 Tachov, Czechoslovakia]

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[Dep. Biol., Univ. Pa., Philadelphia 19104]

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[Zool. Staatssammlung, Munchhausenstr. 21, 8000 Munich 60, Germany] Data for 11 species in Germany.

91-003262 Rising, G. BIRD ISLAND PIER COVERAGE FOR FALL 1990. *Prothonotary* 57(1):10-11. 1991. WR 223

91-003263 Rising, G. THE MONTH: DECEMBER 1990. *Prothonotary* 57(1):1-3. 1991. WR 223

91-003264 Robison, B. C. BIRDS OF HOUSTON. *Rice Univ. Press* 186p. 1990. Available at $22.50 (cloth) and $12.95 (paper) from Rice Univ. Press, P.O. Box 1892, Houston, TX 77251. WR 223

91-003265 Rogers, Thomas H. THE NESTING SEASON: JUNE 1-JULY 31, 1990. IDAHO-WESTERN MONTANA REGION. *Am. Birds* 44(5):1159-1160. 1990. WR 223
[10820 E. Maxwell, Spokane, WA 99206]

91-003266 Sattler, Manfred. [INVENTORY OF BIRDS IN THE BERGER REFUGE AT BISCHOFSHEIMER HANG OF THE BISCHOFSHEIMER MEADOWS AND IN THE ENKHEIMER RIED REFUGE IN 1989.] *Luscinia* 46(5/6):319-325. 1990. In German. WR 223
[Zimmerstr. 12, 6052 Muhlheim/Main, Germany]

91-003267 Schmager, Peter. [THE BIRDS OF THE DANUBE WETLANDS.] *Anz. Ornithol. Ges. Bayern* 25(2/3):207-216. 1986. In German. WR 223
[Schlesierstr. 17, 8858 Neuburg/Donau, Germany]

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91-003269 Shea, Allen K. THE SPRING SEASON: 1990. *Passenger Pigeon* 52(4):357-375. 1990. WR 223
[2202 Manor Green Dr., Madison, WI 53711]

91-003270 Shustov, S. B. [NEW BIRDS OF KIROV REGION.] *Ornitologiya* No. 24. p. 166. 1990. In Russian. WR 223

91-003271 Siddle, Chris. THE NESTING SEASON: JUNE 1-JULY 31, 1990. BRITISH COLUMBIA/YUKON REGION. *Am. Birds* 44(5):1173-1176. 1990. WR 223
[Site 10, Comp. 56, R.R. 8., Vernon, BC, Canada V1T 8L6]

91-003272 Skarphedinsson, Kristinn H. [NOTES ON THE BIRDLIFE OF PINGEYRARSANDUR, N-ICELAND.] *Bliki* No. 9. p. 67-68. 1990. In Icelandic with English summ. WR 223
[Natturufraedistofnun Islands, Postholf 5320, 125 Reykjavik, Iceland] Data for 17 species.

91-003273 Skarphedinsson, Kristinn H. [BIRDLIFE AT BLONDUOS, N-ICELAND.] *Bliki* No. 9. p. 21-28. 1990. In Icelandic with English summ. WR 223
[Natturufraedistofnun Islands, Postholf 5320, 125 Reykjavik, Iceland] Data for 68 species.

91-003274 Skarphedinsson, Kristinn H. and Gudmundur A. Gudmundsson. [THE BIRDLIFE OF SKOGAR AND VICINITY, N-ICELAND.] *Bliki* No. 9. p. 49-66. 1990. In Icelandic with English summ. WR 223
[Natturufraedistofnun Islands, Postholf 5320, 125 Reykjavik, Iceland] Data for 48 species.

91-003275 Skilski, I. V. [NEW DATA ON RARE AND UNCOMMON BIRD SPECIES OF CHERNIGOV REGION, WESTERN UKRAINE.] *Ornitologiya* No. 24. p. 160. 1990. In Russian. WR 223

91-003276 Skirnisson, Karl. [BIRDS AT HORNAFJORDUR AIRPORT, SE-ICELAND.] *Bliki* No. 9. p. 41-48. 1990. In Icelandic with English summ. WR 223
[Natturufraedistofnun Islands, Postholf 5320, 125 Reykjavik, Iceland] Data for 37 species.

91-003277 Skirnisson, Karl; Kristinn H. Skarphedinsson; Skarphedinn Porisson and Aevar Petersen. [THE BIRDLIFE AT SIX ICELANDIC AIRPORTS: A SUMMARY ACCOUNT.] *Bliki* No. 9. p. 69-70. 1990. In Icelandic with English summ. WR 223
[Natturufraedistofnun Islands, Postholf 5320, 125 Reykjavik, Iceland]

91-003278 Smith, Ruthe J. EFFECTS OF URBANIZATION ON BIRD COMMUNITIES ASSOCIATED WITH STREAMSIDE HABITATS IN GAINESVILLE, FLORIDA. *M.S. thesis, Univ. Fla.* 1990. WR 223

91-003279 Sorensen, Ben. RESULTS OF CHRISTMAS BIRD COUNT: COLORADO SPRINGS CBC RESULTS. *Aikorns* 32(2):4-5. 1991. WR 223

91-003280 Spahn, Robert. NOTEWORTHY RECORDS: DECEMBER 1990. *Goshawk* 47(2):11-12. 1991. WR 223
[716 High Tower Way, Webster, NY 14580]

BIRDS—FAUNAS, COMMUNITIES, AND MANUALS (Continued)

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[5441 N. Swan Rd., Apt. 313, Tucson, AZ 85718]

91-003282 Stishov, M. S. [IN-LANDSCAPE DISTRIBUTION OF BIRDS IN THE SUBZONE OF TYPICAL TUNDRA (ON THE EXAMPLE OF THE AIYON ISLAND, WEST CHUKOTKA).] *Zool. Zh.* 69(9):73-83. 1990. In Russian with English summ. WR 223

91-003283 Stronach, Neil. NEW INFORMATION ON BIRDS IN SERENGETI NATIONAL PARK, TANZANIA. *Bull. Br. Ornithol. Club* 110(4):198-202. 1990. WR 223
[Dep. Zool., Downing St., Cambridge CB2 3EJ, England]

91-003284 Stronach, Neil. THE OCCURRENCE OF THE GRASS OWL *TYTO CAPENSIS* AND RICHARD'S PIPIT *ANTHUS NOVAESEELANDIAE* IN THE LOWLANDS OF NEW GUINEA. *Bull. Br. Ornithol. Club* 110(4):181-184. 1990. WR 223
[Dep. Zool., Downing St., Cambridge CB2 3EJ, England]

91-003285 Taylor, Graeme A., compiler. CLASSIFIED SUMMARISED NOTES, NORTH ISLAND, 1 JULY 1988 TO 30 JUNE 1989. *Notornis* 37(3-4):183-235. 1990. WR 223

91-003286 Tennyson, Alan and Graeme Taylor. CURTIS ISLAND. *OSNZ News* No. 57. p. 10. 1990. WR 223

91-003287 Tessen, Daryl D. THE NESTING SEASON: JUNE 1-JULY 31, 1990. WESTERN GREAT LAKES REGION. *Am. Birds* 44(5):1135-1137. 1990. WR 223
[2 Pioneer Park Pl., Elgin, IL 60123]

91-003288 Tobish, T. G., Jr., and M. E. Isleib. THE NESTING SEASON: JUNE 1-JULY 31, 1990. ALASKA REGION. *Am. Birds* 44(5):1170-1173. 1990. WR 223
[2510 Foraker Dr., Anchorage, AK 99517]

91-003289 Treesucon, Uthai and Philp D. Round. REPORT ON THREATENED BIRDS IN THAILAND. *Tigerpaper* 17(3):1-9. 1990. WR 223
[Cent. Conserv. Biol., Biol. Dep., Mahidol Univ., Rama 6 Rd., Bangkok 10400, Thailand] Data for 190 species.

91-003290 Tweit, Bill; Jim Johnson and Philip W. Mattocks, Jr. THE NESTING SEASON: JUNE 1-JULY 31, 1990. OREGON/WASHINGTON REGION. *Am. Birds* 44(5):1177-1180. 1990. WR 223
[P.O. Box 1271, Olympia, WA 98507]

91-003291 Tyrberg, Tommy. [RECORDS OF RARE AND UNCOMMON BIRDS IN SWEDEN IN 1989.] *Var Fagelvarld* 49(7):389-428. 1990. In Swedish with English summ. WR 223
[Kimstadsvagen 37, 610 20 Kimstad, Sweden]

91-003292 van der Burg, Eugene; Ruud M. van Dongen and Peter W. W. de Rouw. [RECENT REPORTS.] *Dutch Birding* 12(4):209-219. 1990. In Dutch. WR 223
[Vliestroom 147, 2401 VD Alphen a/d Rijn, Netherlands]

91-003293 van der Burg, Eugene; Ruud M. van Dongen and Peter W. W. de Rouw. [RECENT REPORTS.] *Dutch Birding* 12(5):262-273. 1990. In Dutch. WR 223
[Vliestroom 147, 2401 VD Alphen a/d Rijn, Netherlands] Data for 83 species.

91-003294 Vernon, C. J. OBSERVATIONS ON THE FOREST BIRDS AROUND EAST LONDON. *Ostrich (Suppl.)* No. 14. p. 75-84. 1989. WR 223
[East London Mus., Box 11021, Southernwood 5213, South Africa]

91-003295 Vernon, C. J.; I. A. W. Macdonald and W. R. J. Dean. BIRDS OF AN ISOLATED TROPICAL LOWLAND RAINFOREST IN EASTERN ZIMBABWE. *Ostrich (Suppl.)* No. 14. p. 111-122. 1989. WR 223
[East London Mus., P.O. Box 11021, Southernwood 5213, South Africa]

91-003296 Viney, Clive. TAI PO KAU, HONG KONG, BREEDING BIRDS SURVEY, MAY 1989. *Hong Kong Bird Rep.* Vol. 1989. p. 44-46. 1989. In English with Chinese summ. WR 223
[87 Mount Nicholson Gap, Hong Kong]

91-003297 Wallace, George E. NOTEWORTHY BIRD RECORDS FROM SOUTHERMOST CHILE. *Condor* 93(1):175-176. 1991. WR 223
[Box 15, Dep. Zool., Univ. Guelph, Guelph, ON, Canada N1G 2W1] *Eudyptes chrysolophus, Netta peposaca, Phalcoboenus australis, Polyborus plancus, Agelaius thilius, Aphrastura spinicauda,* and *Passer domesticus.*

91-003298 Weir, Ron D. THE NESTING SEASON: JUNE 1-JULY 31, 1990. ONTARIO REGION. *Am. Birds* 44(5):1127-1131. 1990. WR 223
[294 Elmwood St., Kingston, ON, Canada K7M 2Y8]

BIRDS—FAUNAS, COMMUNITIES, AND MANUALS (Continued)

91-003299 Welch, Geoff and Hilary Welch. DJIBOUTI - SIX YEARS ON. *Ornithol. Soc. Middle East Bull.* No. 25. p. 16-20. 1990. WR 223

[21a E. Delph, Whittlesey, Peterborough PE7 1HR, England] Data for 7 species.

91-003300 Williams, Martin. A COMPARISON OF MIGRANTS AT BEIDAIHE, NORTHEAST CHINA WITH THOSE OF HONG KONG. *Hong Kong Bird Rep.* Vol. 1989. p. 126-130. 1989. In English with Chinese summ. WR 223

[1/F, 15 Siu Kwai Wan, Cheung Chau Island, Hong Kong]

91-003301 Williams, Sartor O. III and John P. Hubbard. THE NESTING SEASON: JUNE 1-JULY 31, 1990. SOUTHWEST REGION - NEW MEXICO. *Am. Birds* 44(5):1167-1169. 1990. WR 223

[Dep. Game & Fish, Santa Fe, NM 87503]

91-003302 Wilson, Leon P. THE 1989 CHRISTMAS BIRD COUNT. *Redstart* 57(4):96-105. 1990. WR 223

[P.O. Box 105, Ona, WV 25545]

91-003303 Yank, Richard; Yves Aubry and Michel Gosselin. THE NESTING SEASON: JUNE 1-JULY 31, 1990. QUEBEC REGION. *Am. Birds* 44(5):1110-1112. 1990. WR 223

[566 Chester Rd., Beaconsfield, PQ, Canada H9W 3K1]

91-003304 Yee, David G.; Bruce E. Deuel and Stephen F. Bailey. THE NESTING SEASON: JUNE 1-JULY 31, 1990. MIDDLE PACIFIC COAST REGION. *Am. Birds* 44(5):1181-1184. 1990. WR 223

[2930 Driftwood Pl. #39, Stockton, CA 95219]

BIRDS—MORPHOLOGY AND PHYSIOLOGY

91-003305 Gillis, Anna Maria. WHAT ARE BIRDS HEARING? *BioScience* 40(11):810-816. 1990. WR 223

Spizella passerina, S. pusilla, Sturnus vulgaris, Melopsittacus undulatus, Poephila guttata, Zonotrichia georgiana, Dendroica discolor, Z. albicollis, and *Serinus canaria.*

91-003306 Grubb, Thomas C., Jr., and David A. Cimprich. SUPPLEMENTARY FOOD IMPROVES THE NUTRITIONAL CONDITION OF WINTERING WOODLAND BIRDS: EVIDENCE FROM PTILOCHRONOLOGY. *Ornis Scand.* 21(4):277-281. 1990. WR 223

[Dep. Zool., Ohio State Univ., Columbus 43210] *Dendrocopos pubescens, Parus carolinensis, P. bicolor,* and *Sitta carolinensis* in Ohio.

91-003307 Martinez del Rio, Carlos and William H. Karasov. DIGESTION STRATEGIES IN NECTAR- AND FRUIT-EATING BIRDS AND THE SUGAR COMPOSITION OF PLANT REWARDS. *Am. Nat.* 136(5):618-637. 1990. WR 223

[Dep. Zool., Univ. Fla., Gainesville 32611]

91-003308 Prinzinger, Roland. [REGULATION OF TEMPERATURE IN BIRDS.] *Luscinia* 46(5/6):255-302. 1990. In German. WR 223

[AK Stoffwechselphysiol. Zool. Inst., Johann-Wolfgang-von-Goethe-Univ., Siesmayerstr. 70, D-6000 Frankfurt/Main 1, Germany] Data for 19 species.

91-003309 Rankin, M. A. ENDOCRINE EFFECTS ON MIGRATION. *Am. Zool.* 31(1):217-230. 1991. WR 223

[Dep. Zool., Univ. Tex., Austin 78712] Data for 5 species.

91-003310 Richner, H. THE GROWTH DYNAMICS OF SEXUALLY DIMORPHIC BIRDS AND FISHER'S SEX RATIO THEORY: DOES SEX-SPECIFIC GROWTH CONTRIBUTE TO BALANCED SEX RATIOS? *Funct. Ecol.* 5(1):19-28. 1991. WR 223

[Inst. Zool. & Ecol. Anim., Univ. Lausanne, 1015 Lausanne, Switzerland]

91-003311 Rodionov, V. A. [HISTOCHEMICAL CHARACTERISTIC, CONTENT AND DISTRIBUTION OF MUSCLE FIBRES IN THE PECTORAL MUSCLE OF COLUMBIFORMES AND FALCONIFORMES.] *Ornitologiya* No. 24. p. 43-57. 1990. In Russian with English summ. WR 223

Data for 17 species.

BIRDS—BEHAVIOR

91-003312 Allen, R. B.; P. O. Corr and J. A. Dorso. NESTING SUCCESS AND EFFICIENCY OF WATERFOWL USING NEST BOXES IN CENTRAL MAINE: A MANAGEMENT PERSPECTIVE. *In: 1988 North American Wood Duck Symposium. Leigh H. Fredrickson, George V. Burger, Stephen P. Havera, David A. Graber, Ronald E. Kirby, and T. Scott Taylor, editors.* p. 291-296. 1990. WR223

[Dep. Inland Fish. & Wildl., Wildl. Div., P.O. Box 1298, Bangor, ME 04401] *Aix sponsa, Lophodytes cucullatus, Bucephala clangula,* and *Sturnus vulgaris.*

BIRDS—BEHAVIOR (Continued)

91-003313 Beall, Jonathan T. USE OF NEST BOXES BY WOOD DUCKS IN SOUTHERN PUGET SOUND, WASHINGTON. *In: 1988 North American Wood Duck Symposium. Leigh H. Fredrickson, George V. Burger, Stephen P. Havera, David A. Graber, Ronald E. Kirby, and T. Scott Taylor, editors.* p. 259-263. 1990. WR 223

[Umpqua Natl. For., Cottage Grove Ranger Dist., P.O. Box 38, Cottage Grove, OR 97424] *Aix sponsa* and *Lophodytes cucullatus.*

91-003314 Beintema, A. J. [SELECTION OF NEST LOCATION IN AGRICULTURAL GREENLAND: INSANITY OR WISDOM?] *Corax* 11(4):301-310. 1990. In German. WR 223

[Rijksinst. Nat., Postbus 46, 3956 ZR Leersum, Netherlands]

91-003315 Belskaya, G. S. [DAILY ACTIVITY IN BIRDS DURING THE NESTLING PERIOD AS A SIGN OF ECOLOGICAL AND PHYSIOLOGICAL ADAPTATION TO THE ARID ENVIRONMENT IN TURKMENIA.] *Ornitologiya* No. 24. p. 20-25. 1990. In Russian with English summ. WR 223

Data for 29 species in the USSR.

91-003316 Best, Louis B. and James P. Gionfriddo. CHARACTERIZATION OF GRIT USE BY CORNFIELD BIRDS. *Wilson Bull.* 103(1):68-82. 1991. WR 223

[Dep. Anim. Ecol., Iowa State Univ., Ames 50011] Data for 22 species in the United States.

91-003317 Bowley, Alan. JACKDAW ATTACKING WOODPIGEON. *Br. Birds* 84(2):65-66. 1991. WR 223

[2 Flint Cottages, Jevington, East Sussex, England] *Corvus monedula* and *Columba palumbus* in England.

91-003318 Clark, Robert G. and Lawson G. Sugden. THE IMPORTANCE OF AGRICULTURAL FOODS IN THE ANNUAL DIET OF MALLARD (*ANAS PLATYRHYNCHOS* L.) AND SANDHILL CRANE (*GRUS CANADENSIS* L.). *In: Granivorous Birds in the Agricultural Landscape. J. Pinowski and J. D. Summers-Smith, editors.* p. 317-331. 1990. WR 223

[Canadian Wildl. Serv., Prairie Migratory Bird Res. Cent., 115 Perimeter Rd., Saskatoon, SN, Canada S7N 0X4]

91-003319 Cleere, N. WOODCOCK MOBBING NIGHTJAR. *Br. Birds* 84(2):60. 1991. WR 223

[25 Bedford Close, Newbury, Berkshire RG14 6SU, England] *Caprimulgus europaeus* and *Scolopax rusticola* in England.

91-003320 Cox, A. F. J. MAGPIE KILLING SPARROWHAWK. *Br. Birds* 84(2):65. 1991. WR 223

[Domus, Ferndale, Tunbridge Wells, Kent TN2 3RU, England] *Pica pica, Sturnus vulgaris,* and *Accipiter nisus* in England.

91-003321 Cugnasse, J.-Marc; J.-Claude Issaly; Patrick Deleris and Christophe Maurel. [INTERDEPENDENT BEHAVIOR OF THE COMMON JACKDAW, *CORVUS MONEDULA*, IN RESPONSE TO THE TERRITORIAL BEHAVIOR OF A WHITE STORK, *CICONIA CICONIA*.] *Nos Oiseaux* 39(2):77-78. 1987. In French. WR 223

[Lieuran-Cabrieres, F-34800 Clermont-l'Herault, France]

91-003322 Divyabhanusinhi. INTERACTION OF HONEY BUZZARD *PERNIS PTILORHYNCUS* WITH FANTAIL FLYCATCHER *RHIPIDURA ALBICOLLIS* AND REDWATTLED LAPWING *VANELLUS INDICUS*. *J. Bombay Nat. Hist. Soc.* 87(1):142-143. 1990. WR 223

91-003323 Dorogoi, I. V. [FACTORS OF COMMUNAL BREEDING OF THE SNOWY OWLS (*NYCTEA SCANDIACA*) AND ANSERIFORMES BIRDS AT THE VRANGEL ISLAND.] *Ornitologiya* No. 24. p. 26-33. 1990. In Russian with English summ. WR 223

Anser caerulescens, Branta bernicla nigricans, and *Somateria mollissima.*

91-003324 Earle, R. A. ASPECTS OF THE FORAGING BEHAVIOUR OF SOME INSECTIVOROUS BIRDS IN THREE TRANSVAAL INDIGENOUS EVERGREEN FORESTS. *Ostrich (Suppl.)* No. 14. p. 71-74. 1989. WR 223

[Natl. Mus., P.O. Box 266, Bloemfontein 9300, South Africa] *Apalis thoracica, Batis capensis, Trochocercus cyanomelas, Mesopicos griseocephalus, Phyllastrephus flavostriatus, Zosterops pallida,* and *Seicercus ruficapillus* in South Africa.

91-003325 Ern, Hartmut. [CONVERGENT PATTERNS IN THE BEHAVIOUR OF BIRDS INHABITING FAST RUNNING WATER.] *Ecol. Birds* 11(2):201-207. 1989. In German with English summ. WR 223

[Bot. Garten & Bot. Mus. Berlin-Dahlem, Konigin-Luise-Str. 6-8, D-1000 Berlin 33, Germany]

91-003326 Evans, C. S. and P. Marler. ON THE USE OF VIDEO IMAGES AS SOCIAL STIMULI IN BIRDS: AUDIENCE EFFECTS ON ALARM CALLING. *Anim. Behav.* 41(1):17-26. 1991. WR 223

[Dep. Zool., Univ. Calif., Davis 95616]

91-003327 Evans, Derek J. HONEY BUZZARD BEHAVIOUR. *Ornithol. Soc. Middle East Bull.* No. 25. p. 29. 1990. WR 223

[British Int. School, P.O. Box 137, Zamalek, Cairo, Egypt] *Pernis apivorus, Larus leucopthalmus,* and *Sterna bengalensis* in Egypt.

BIRDS—BEHAVIOR (Continued)

91-003328 Fielder, Paul C.; Barry G. Keesee; Peter A. Lopushinsky. WOOD DUCK USE OF NESTING STRUCTURES IN CENTRAL WASHINGTON. *In: 1988 North American Wood Duck Symposium. Leigh H. Fredrickson, George V. Burger, Stephen P. Havera, David A. Graber, Ronald E. Kirby, and T. Scott Taylor, editor.* p. 265-267. 1990. WR 223

[Public Utility Dist. No. 1 Chelan Cty., P.O. Box 1231, Wenatchee, WA 98807] *Aix sponsa, Sturnus vulgaris,* and *Mergus merganser.*

91-003329 Fleskes, Joseph P.; John A. Guthrie and Glen L. Welp. RAISING WOOD DUCKS ON A PRAIRIE MARSH: THE STORY OF UNION SLOUGH. *In: 1988 North American Wood Duck Symposium. Leigh H. Fredrickson, George V. Burger, Stephen P. Havera, David A. Graber, Ronald E. Kirby, and T. Scott Taylor, editor.* p. 275-278. 1990. WR 223

[U.S. Fish & Wildl. Serv., 6924 Tremont Rd., Dixon, CA 95620] *Aix sponsa* and *Lophodytes cucullatus* and data for 7 other species in Iowa.

91-003330 Galsworthy, Anthony. BIRDS FEEDING ON TERMITES. *Hong Kong Bird Rep.* Vol. 1989. p. 151-152. 1989. WR 223

[90C Peak Rd., Hong Kong] *Pycnonotus sinensis, P. jocosus, Urocissa erythrorhyncha,* and *Milvus migrans* in Hong Kong.

91-003331 Galsworthy, Anthony. INTERACTION BETWEEN CRESTED GOSHAWK AND JUNGLE CROW. *Hong Kong Bird Rep.* Vol. 1989. p. 143. 1989. WR 223

[90C Peak Rd., Hong Kong] *Accipiter trivirgatus* and *Corvus macrorhynchos* in Hong Kong.

91-003332 Hancox, A. P. and J. A. Allen. A SIMULATION OF EVASIVE MIMICRY IN THE WILD. *J. Zool. (Lond.)* 223(1):9-13. 1991. WR 223

[Dep. Biol., Univ. Southampton, Southampton SO9 3TU, England] *Parus caeruleus* and *Erithacus rubecula.*

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[Div. Biol., Ackert Hall, Kans. State Univ., Manhattan 66506] Data for 104 species.

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[22 Burman Dr., Coleshill, Birmingham B46 3NB, England] *Phalacrocorax carbo, Ardea cinerea,* and *Botaurus stellaris* in England.

91-003335 Loiselle, Bette A. and John G. Blake. TEMPORAL VARIATION IN BIRDS AND FRUITS ALONG AN ELEVATIONAL GRADIENT IN COSTA RICA. *Ecology* 72(1):180-193. 1991. WR 223

[Dep. Biol., Univ. Mo., 8001 Natural Bridge Rd., St. Louis 63121] Data for 11 species.

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91-003337 Rebecca, G. W.; B. L. Cosnette; A. Duncan; N. Picozzi and D. C. Catt. HUNTING DISTANCE OF BREEDING MERLINS IN GRAMPIAN INDICATED BY RINGED WADER CHICKS TAKEN AS PREY. *Scott. Birds* 16(1):38-39. 1990. WR 223

[31 Rainnieshill Gardens, Newmachar, Aberdeenshire AB5 0JZ, Scotland] *Vanellus vanellus, Falco columbarius,* and *Pluvialis apricaria* in Scotland.

91-003338 Soler, M. and J. J. Soler. GROWTH AND DEVELOPMENT OF GREAT SPOTTED CUCKOOS AND THEIR MAGPIE HOST. *Condor* 93(1):49-54. 1991. WR 223

[Dep. Biol. Anim., Ecol. & Genet., Fac. Cienc., Univ. Granada, Granada, Spain] *Clamator glandarius* and *Pica pica* in Spain.

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[School For. Resour., Pa. State Univ., University Park 16802] Data for 11 species in Pennsylvania.

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BIRDS—MIGRATION AND BANDING REPORTS

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91-003343 Bunning, L. J. SOME INTERESTING RETRAPS AT MELVILLE KOPPIES NATURE RESERVE, JOHANNESBURG. *Safring News* 19(1&2):36. 1990. WR 223

[702 High Hylton, 21 Goldreich St., Hillbrow, Johannesburg 2001, South Africa]

91-003344 Francis, Charles M. BIRD MIGRATION AT PRINCE EDWARD POINT, SPRING 1989. *Ont. Bird Banding* Vol. 22. p. 25-32. 1990. WR 223

Data for 111 species in Canada.

91-003345 Geroudet, Paul, compiler. [ORNITHOLOGICAL REPORT OF FRENCH-SPEAKING SWITZERLAND: SPRING MIGRATION AND NESTING IN 1986.] *Nos Oiseaux* 39(2):79-94. 1987. In French. WR 223

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91-003346 Hopkin, Peter J. SEABIRD PASSAGE IN THE STRAIT OF TAIWAN, MAY 1989. *Hong Kong Bird Rep.* Vol. 1989. p. 131-135. 1989. In English with Chinese summ. WR 223

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[Long Point Bird Observ., P.O. Box 160, Port Rowan, ON, Canada N0E 1M0] Data for 142 species in Canada.

91-003349 McIlveen, W. D. BANDING IN ONTARIO: 1989. *Ont. Bird Banding* Vol. 22. p. 1-8. 1990. WR 223

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91-003350 Melville, David S. REPORT ON BIRD RINGING IN HONG KONG IN 1989. *Hong Kong Bird Rep.* Vol. 1989. p. 65-76. 1989. In English with Chinese summ. WR 223

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91-003351 Murray, M. D., editor. RECOVERY ROUND-UP. *Corella* 14(4):139-140. 1990. WR 223

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91-003353 Risley, Chris and W. D. McIlveen. COMMENTARY ON THE 1989 BANDING REPORT. *Ont. Bird Banding* Vol. 22. p. 9-10. 1990. WR 223

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[Dep. Math. Stat., Univ. Cape Town, Rondebosch 7700, South Africa] Data for 7 species in South Africa.

BIRDS—PESTICIDES AND POLLUTION

91-003355 Belant, Jerrold L. and Raymond K. Anderson. ENVIRONMENTAL CONTAMINANTS IN COMMON LOONS FROM NORTHERN WISCONSIN. *Passenger Pigeon* 52(4):307-310. 1990. WR 223

[Coll. Nat. Resour., Univ. Wis., Stevens Point 54481] *Gavia immer.*

91-003356 Burger, Joanna and Michael Gochfeld. CADMIUM AND LEAD IN COMMON TERNS (AVES: *STERNA HIRUNDO*): RELATIONSHIP BETWEEN LEVELS IN PARENTS AND EGGS. *Environ. Monit. Assess.* 16(3):253-258. 1991. WR 223

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[Telemark Coll., N-3800 Bo, Norway] *Tetrao urogallus, T. tetrix, Lagopus mutus,* and *L. lagopus.*

91-003360 Fleming, W. James; Elwood F. Hill; Jeffrey J. Momot and Victor F. Pang. TOXICITY OF TRIMETHYLTIN AND TRIETHYLTIN TO MALLARD DUCKLINGS. *Environ. Toxicol. Chem.* 10(2):255-260. 1991. WR 223

[U.S. Fish & Wildl. Serv., Coop. Fish & Wildl. Res. Unit, Box 7617, N.C. State Univ., Raleigh 27695-7617] *Anas platyrhynchos.*

91-003361 Frink, Lynne and Betsy Crozer-Jones. REHABILITATION OF OIL CONTAMINATED BIRDS. *In: Wildlife Rehabilitation. Daniel R. Ludwig, editor.* Vol. 8. p. 23-34. 1990. WR 223

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91-003362 Glooschenko, V. MINISTRY OF NATURAL RESOURCES WETLAND STUDIES. *Occas. Pap. Dep. Appl. Geogr. Ryerson Polytech. Inst.* p. 61-71. 1982. WR 223

91-003363 Hahn, Edmund; Peter Ostapczuk; Markus Stoeppler and Hermann Ellenberg. [HEAVY METAL IN MAGPIE FEATHERS - ON THE RELATIVE QUANTITIES OF EXOGENOUS AND ENDOGENOUS CONTAMINATION OF ZINC, CADMIUM, LEAD, COPPER, NICKEL AND COBALT IN FEATHERS.] *Ecol. Birds* 11(2):265-281. 1989. In German with English summ. WR 223

[Inst. Angewandte Physikalische Chem. Kernforschungsanlage Julich, Postfach 1913, D-5170 Julich, Germany] *Pica pica* in Germany.

91-003364 Henny, Charles J.; Lawrence J. Blus and Robert A. Grove. WESTERN GREBE, *AECHMOPHORUS OCCIDENTALIS*, WINTERING BIOLOGY AND CONTAMINANT ACCUMULATION IN COMMENCEMENT BAY, PUGET SOUND, WASHINGTON. *Can. Field-Nat.* 104(3):460-472. 1990. WR 223

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[U.S. Fish & Wildl. Serv., Patuxent Wildl. Res. Cent., Laurel, MD 20708] *Anas platyrhynchos.*

91-003366 LeClerc, Monica Grant. FOOD NICHE RELATIONSHIPS OF SYMPATRIC RAPTORS IN WESTERN UTAH, ELECTROPHORETIC IDENTIFICATION OF RAPTOR PELLETS, DIET AND NESTING SUCCESS OF BURROWING OWLS FOLLOWING AERIAL PESTICIDE APPLICATION IN UTAH, WINTER BEHAVIOR AND HABITAT SELECTION OF FOUR RAPTOR SPECIES IN WEST-CENTRAL UTAH. *Ph.D. dissertation, Brigham Young Univ.* 61p. 1990. WR 223

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91-003367 Martin, Pamela A.; Keith R. Solomon and Herman J. Boermans. EFFECTS OF CARBOFURAN INGESTION ON MALLARD DUCKLINGS. *J. Wildl. Manage.* 55(1):103-111. 1991. WR 223

[Dep. Environ. Biol., Univ. Guelph, Guelph, ON, Canada N1G 2W1] *Anas platyrhynchos.*

91-003368 Mauser, David M.; Tonie E. Rocke; John G. Mensik and Christopher J. Brand. BLOOD LEAD CONCENTRATIONS IN MALLARDS FROM DELEVAN AND COLUSA NATIONAL WILDLIFE REFUGES. *Calif. Fish Game* 76(3):132-136. 1990. WR 223

[Dep. Fish. & Wildl., Oreg. State Univ., Corvallis 97331] *Anas platyrhynchos* in California.

91-003369 Ormerod, S. J. and Stephanie J. Tyler. THE INFLUENCE OF STREAM ACIDIFICATION AND RIPARIAN LAND USE ON THE FEEDING ECOLOGY OF GREY WAGTAILS *MOTACILLA CINEREA* IN WALES. *Ibis* 133(1):53-61. 1991. WR 223

[UWCC, c/o Natl. Rivers Authority, 19 Penyfai Ln., Furnace, Llanelli, Dyfed SA15 4EL, Wales]

91-003370 Redig, Pat; Jan White; James Scott; Jean Dunnette; Paula Lind and Barbara Talbot. A MEDICAL ASSESSMENT OF BALD EAGLES FROM PRINCE WILLIAM SOUND IN THE WAKE OF THE EXXON LUBE JOB. *Avic. Soc. Am. Bull.* 20(2):24-26. 1991. WR 223

Haliaeetus leucocephalus in Alaska.

BIRDS—PESTICIDES AND POLLUTION (Continued)

91-003371 Reynolds, Larry Anthony. WATERFOWL USE OF SEDIMENT PONDS ON AN EAST TEXAS COAL MINE. *M.S. thesis, Tex. A&M Univ.* 1989. WR 223

Anas strepera, A. platyrhynchos, A. crecca, A. americana, Aythya collaris, and *Fulica americana.*

91-003372 Rocke, Tonie E. and Michael D. Samuel. EFFECTS OF LEAD SHOT INGESTION ON SELECTED CELLS OF THE MALLARD IMMUNE SYSTEM. *J. Wildl. Dis.* 27(1):1-9. 1991. WR 223

[U.S. Fish & Wildl. Serv., Natl. Wildl. Health Res. Cent., 6006 Schroeder Rd., Madison, WI 53711] *Anas platyrhynchos* in California.

91-003373 Schwartz, Ted R. and David L. Stalling. CHEMOMETRIC COMPARISON OF POLYCHLORINATED BIPHENYL RESIDUES AND TOXICOLOGICALLY ACTIVE POLYCHLORINATED BIPHENYL CONGENERS IN THE EGGS OF FORSTER'S TERNS (*STERNA FORSTERI*). *Arch. Environ. Contam. Toxicol.* 20(2):183-199. 1990. WR 223

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91-003374 Schwarzbach, S. E.; D. Michael Fry; B. E. Rosson and David M. Bird. METABOLISM AND STORAGE OF *p,p'* DICOFOL IN AMERICAN KESTRELS (*FALCO SPARVERIUS*) WITH COMPARISONS TO RING NECK DOVES (*STREPTOPELIA RISORIA*). *Arch. Environ. Contam. Toxicol.* 20(2):206-210. 1990. WR 223

[U.S. Fish & Wildl. Serv., 2800 Cottage Way, Rm. E-1803, Sacramento, CA 95825]

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[U.S. Fish & Wildl. Serv., 2800 Cottage Way, Rm. E-1803, Sacramento, CA 95825] *Streptopelia risoria.*

91-003376 Torok, Janos. THE IMPACT OF INSECTICIDES ON THE FEEDING OF THE TREE SPARROWS (*PASSER MONTANUS* (L.)) IN ORCHARDS DURING THE PARENTAL CARE PERIOD. *In: Granivorous Birds in the Agricultural Landscape. J. Pinowski and J. D. Summers-Smith, editors.* p. 199-210. 1990. WR 223

[Dep. Syst. Zool. & Ecol. Eotvos Univ., H-1088 Budapest, Puskin u. 3, Hungary]

91-003377 Vauk, G.; E. Hartwig; B. Reineking and E. Vauk-Hentzelt. LOSSES OF SEABIRDS BY OIL POLLUTION AT THE GERMAN NORTH SEA COAST. *Sci. Mar.* 53(2-3):749-754. 1989. WR 223

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91-003378 Walker, C. H. PERSISTENT POLLUTANTS IN FISH-EATING SEA BIRDS - BIOACCUMULATION, METABOLISM AND EFFECTS. *Aquat. Toxicol. (Amst.)* 17(4):293-324. 1990. WR 223

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BIRDS—PARASITES AND DISEASES

91-003379 Bennett, Gordon F.; A. Alonso Aguirre and Robert S. Cook. BLOOD PARASITES OF SOME BIRDS FROM NORTHEASTERN MEXICO. *J. Parasitol.* 77(1):38-41. 1991. WR 223

[Int. Reference Cent. Avian Haematoza, Memorial Univ. Newfoundland, St. John's, NF, Canada A1B 3X9]

91-003380 Hubalek, Zdenek. [BOTULISM IN FREE-LIVING WATERBIRDS.] *Vertebr. Zpravy* p. 39-40. 1989. In Czech. WR 223

91-003381 Philips, James R. WHAT'S BUGGING YOUR BIRDS? AVIAN PARASITIC ARTHROPODS. *In: Wildlife Rehabilitation. Daniel R. Ludwig, editor.* Vol. 8. p. 155-203. 1990. WR 223

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91-003382 Poveda, J. B.; J. Carranza; A. Miranda; A. Garrido; M. Hermoso; A. Fernandez and J. Domenech. AN EPIZOOTIOLOGICAL STUDY OF AVIAN MYCOPLASMAS IN SOUTHERN SPAIN. *Avian Pathol.* 19(4):627-633. 1990. In English with French, German, and Spanish summ. WR 223

[Dep. Sanidad Anim., Fac. Vet. Cordoba, Ave. Medina Azahara s/n, Cordoba 14071, Spain]

91-003383 Walter, Gottfried; Max Kasparek and Michael von Tschirnhaus. [LOUSE-FLIES *(DIPTERA, HIPPOBOSCIDAE)* AS PARASITES OF BIRDS IN THE FEDERAL REPUBLIC OF GERMANY.] *Ecol. Birds* 12(1):73-83. 1990. In German with English summ. WR 223

[Lilienthalstr. 22, D-2900 Oldenburg, Germany] Data for 32 species.

91-003384 Worley, David E.; Rolando H. Espinosa and Floyd M. Seesee. A SURVEY FOR TRICHINOSIS IN SELECTED PREDATORY AND SCAVENGER BIRDS IN MONTANA, WITH AN EVALUATION OF THE INFECTIVITY OF TWO MAMMALIAN *TRICHINELLA SPIRALIS* ISOLATES IN BIRDS. *J. Helminthol. Soc. Wash.* 58(1):152-155. 1991. WR 223

[Vet. Mol. Biol. Lab., Mont. State Univ., Bozeman 59717] Data for 27 species.

BIRDS—ECONOMICS, DAMAGE, PREDATION, AND CONTROL

91-003385 Balasubramanian, P. BEHAVIOUR OF SOUTHERN SPOTTED OWLET *ATHENE BRAMA BRAMA* (TEMMINCK) AND JUNGLE CROW *CORVUS MACRORHYNCHOS* (TEMMINCK) AT POINT CALIMERE, TAMIL NADU. *J. Bombay Nat. Hist. Soc.* 87(1):145. 1990. WR 223

Halcyon smyrnensis in India.

91-003386 Berthelot, Jean-Yves and Gerard Navizet. [SCREAMING EAGLE (?) PREYS ON A COLONY OF GREY HERONS IN DOMBES, FRANCE.] *Nos Oiseaux* 39(2):67-69. 1987. In French with German and English summ. WR 223

[Res. Les Essarts, 8 av. de l'Industrie, F-38130 Echirolles, France] *Ardea cinerea*.

91-003387 Greaves, Conrad. GREY HERON CATCHING, KILLING AND SWALLOWING HOOPOE. *Br. Birds* 84(2):57-58. 1991. WR 223

[72 Manor Dr. N., Acomb, York YO2 1RY, England] *Ardea cinerea* and *Upupa epops* in Oman.

91-003388 Naoroji, Rishad. PREDATION BY *AQUILA* EAGLES ON NESTLING STORKS AND HERONS IN KEOLADEO NATIONAL PARK, BHARATPUR. *J. Bombay Nat. Hist. Soc.* 87(1):37-46. 1990. WR 223

[Belha Court, 24 Ramchandani Marg, Bombay-400 039, India] *A. rapax*, *A. clanga*, and *A. pomarina*.

91-003389 Pinowski, J. and J. D. Summers-Smith, editors. GRANIVOROUS BIRDS IN THE AGRICULTURAL LANDSCAPE. PROCEEDINGS OF GENERAL MEETINGS OF THE WORKING GROUP ON GRANIVOROUS BIRDS, INTECOL, HELD IN THE OTTAWA, CANADA, JUNE 28, 1986 AND SYRACUSE, NEW YORK, USA, AUGUST 13, 1986. *Polish Scientific Publ.* 360p. 1990. Available at $50.00 from Library, Inst. Ecol., PAS, Dziekanow Lesny, 05-092 Lomianki, Poland. WR 223

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91-003390 Pinowski, Jan and Ryszard Z. Zajac. DAMAGES TO CROPS CAUSED BY BIRDS IN CENTRAL EUROPE. *In: Granivorous Birds in the Agricultural Landscape. J. Pinowski and J. D. Summers-Smith, editors.* p. 333-345. 1990. WR 223

[Dep. Vertebr. Ecol., Inst. Ecol., Polish Acad. Sci., 05-092 Lomianki, Poland] Data for 9 species.

91-003391 Ryan, Peter G. and Coleen L. Moloney. TRISTAN THRUSHES KILL ADULT WHITE-BELLIED STORM-PETRELS. *Wilson Bull.* 103(1):130-132. 1991. WR 223

[FitzPatrick Inst., Univ. Cape Town, Rondebosch 7700, South Africa] *Fregatta grallaria* and *Nesocichia eremita*.

91-003392 Wiens, John A. GRANIVOROUS BIRDS: A PERSPECTIVE ON RESEARCH PRIORITIES. *In: Granivorous Birds in the Agricultural Landscape. J. Pinowski and J. D. Summers-Smith, editors.* p. 351-360. 1990. WR 223

[Dep. Biol., Colo. State Univ., Fort Collins 80523]

GALLINACEOUS BIRDS—GENERAL

91-003393 Sych, V. F. [MORPHOECOLOGICAL PECULIARITIES OF THE LOCOMOTOR APPARATUS IN GALLIFORMES.] *Ornitologiya* No. 24. p. 58-66. 1990. In Russian with English summ. WR 223

GROUSE AND PTARMIGAN

91-003394 Gjerde, Ivar. DETERMINATION OF SEX IN CAPERCAILLIE *TETRAO UROGALLUS* BY MEANS OF WINTER DROPPING SIZE. *Fauna Norv. Ser. C Cinclus* 13(2):91-92. 1990. In English with Norwegian summ. WR 223

[Dep. Anim. Ecol., Mus. Zool., Univ. Bergen, N-5007 Bergen, Norway]

91-003395 Jones, A. M. CAPERCAILLIE NUMBERS ON THREE LOCH LOMOND ISLANDS. *Scott. Birds* 16(1):47. 1990. WR223

[RSPB, Highland Off., Munlochy, Ross & Cromarty IV8 8ND, Scotland] *Tetrao urogallus* in Scotland.

91-003396 Nappee, Christian. [THE REINTRODUCTION OF GROUSE IN THE CEVENNES RANGE.] *Rev. Ecol. Terre Vie* Suppl. 5. p. 335. 1990. French abstract only. WR 223

91-003397 Ouellet, Henri. A NEW RUFFED GROUSE, AVES: PHASIANIDAE: *BONASA UMBELLUS* FROM LABRADOR, CANADA. *Can. Field-Nat.* 104(3):445-449. 1990. In English with French summ. WR 223

[Canadian Mus. Nat., P.O. Box 3443, Stn. "D", Ottawa, ON, Canada K1P 6P4] *B. u. labradorensis*.

91-003398 Rorvik, Kjell-Arne; Hans Christian Pedersen and Johan B. Steen. GENETIC VARIATION AND TERRITORIALITY IN WILLOW PTARMIGAN (*LAGOPUS LAGOPUS LAGOPUS*). *Evolution* 44(6):1490-1497. 1990. WR 223

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GROUSE AND PTARMIGAN (Continued)

91-003399 Valkovich, V. A.; V. S. Ivanova and N. N. Troshkina. [SOME DATA ON MORPHOMETRY IN THE SIBERIAN SPRUCE GROUSE (*DENDRAGAPUS FALCIPENNIS*).] *Ornitologiya* No. 24. p. 169-170. 1990. In Russian. WR 223

91-003400 Van Sant, Barry F. and Clait E. Braun. DISTRIBUTION AND STATUS OF GREATER PRAIRIE-CHICKENS IN COLORADO. *Prairie Nat.* 22(4):225-230. 1990. WR 223

[4120 Kano Dr., Fort Collins, CO 80526] *Tympanuchus cupido.*

91-003401 Welch, Bruce L.; Fred J. Wagstaff and Richard L. Williams. SAGE GROUSE STATUS AND RECOVERY PLAN FOR STRAWBERRY VALLEY, UTAH. *U.S. For. Serv. Res. Pap. INT* No. 430. 10p. 1990. WR 223

[Intermountain Res. Stn., Provo, UT] *Centrocercus urophasianus* in Utah.

PHASIANIDAE—GENERAL

91-003402 Gao Yuren. [THE METHOD OF OBSERVING AT FIXED SPOTS WITH BAITS IN THE STUDY OF ECOLOGY OF PHEASANTS.] *Zool. Res.* 11(2):102. 1990. In Chinese. WR 223

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Haliaeetus leucocephalus.

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[1049 Kirkwall Rd., R.R.#1, Dundas, ON, Canada L9H 5E1] Data for 15 species in Canada.

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[Inst. Terrestrial Ecol., Hill of Brathens, Banchory, Kincardineshire AB3 4BY, Scotland] *Falco columbarius* and *Cinclus cinclus* in Scotland.

91-003850 Eigenhuis, Klaas J. [ETYMOLOGY OF THE NAME 'SMELLEKEN'.] *Dutch Birding* 12(5):238. 1990. In Dutch with English summ. WR 223
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[Inst. Vogelforschung, D-2940 Wilhelmshaven-Rustersiel, Germany]

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[Vesterbrogade 140, DK-1620 Copenhagen V, Denmark] *Falco peregrinus peregrinus*, *F. p. tundrius*, and *F. tinnunculus*.

91-003854 Ficker, Werner. [A BROOD OF *GLAUCIDIUM PASSERINUM* IN AN ARTIFICIAL CAVITY.] *Falke* 37(11):379-383. 1990. In German. WR 223
[Schwarzenberger Str. 35, 9437 Grunhain/Erzg., Germany]

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91-003858 Gard, Nicholas W. and David M. Bird. BREEDING BEHAVIOR OF AMERICAN KESTRELS RAISING MANIPULATED BROOD SIZES IN YEARS OF VARYING PREY ABUNDANCE. *Wilson Bull.* 102(4):605-614. 1990. WR 223

[Inst. Wildl. & Environ. Toxicol., Clemson Univ., P.O. Box 709, Pendleton, SC 29670] *Falco sparverius* in Canada.

91-003859 Gerbermann, H.; J. R. Jakoby and J. Kosters. [INCIDENCE OF *CHLAMYDIA* IN AN AVIARY STATION OF BIRDS OF PREY.] *J. Vet. Med. Ser. B*37(10):739-748. 1990. In German with English summ. WR 223

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[Nat. Heritage Sect., Nongame Wildl. & Endangered Species Program, Bur. Wildl., 600 S. Walnut St., Box 25, Boise, ID 83707]

91-003863 Henwood, R. R. and W. W. Howells. MOUNTAIN REEDBUCK LAMB AS BLACK EAGLE PREY. *Lammergeyer* No. 41. p. 48. 1990. WR 223

[P.O. Box 57, Marken 0605, South Africa] *Aquila verreauxi* and *Redunca fulvorufula* in South Africa.

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[Owl Res. Inst., P.O. Box 8335, Missoula, MT 59807] *Glaucidium gnoma* in Montana.

91-003865 Iriarte, J. Agustin; William L. Franklin and Warren E. Johnson. DIETS OF SYMPATRIC RAPTORS IN SOUTHERN CHILE. *J. Raptor Res.* 24(3):41-46. 1990. In English with Spanish summ. WR 223

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91-003866 Jimenez, Jaime E. and Fabian M. Jaksic. BEHAVIORAL ECOLOGY OF RED-BACKED HAWKS IN CENTRAL CHILE. *Wilson Bull.* 103(1):132-137. 1991. WR 223

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91-003867 Jones, A. M. TALON-LINKING AND CARTWHEELING DISPLAY OF BOOTED EAGLES. *Br. Birds* 84(2):59-60. 1991. WR 223

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HUMMINGBIRDS, SWIFTS, AND ALLIES

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Dendrocopos borealis.

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91-003956 Trail, Paris. NEST PREDATION BY A RED-BELLIED WOODPECKER. *Chat* 55(1):6-7. 1991. WR 223

[Rt. 4, Box 268-A, Edenton, NC 27932] *Empidonax virescens* and *Melanerpes carolinus* in North Carolina.

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[Dep. Ecol., Ecol. Bldg., Univ. Lund, S-223 62 Lund, Sweden] *Locustella luscinioides, L. naevia, Lanius senator, Acrocephalus arundinaceus, A. schoenobaenus, A. paludicola, A. scirpaceus, Hippolais polyglotta, H. pallida,* and *Sylvia communis* in Ghana.

91-003960 Best, Louis B. MARKING PASSERINE TAIL FEATHERS WITH COLORED TAPE. *Wilson Bull.* 102(4):710-714. 1990. WR 223

[Dep. Anim. Ecol., Iowa State Univ., Ames 50011] *Cardinalis cardinalis, Mimus polyglottos,* and *Toxostoma rufum.*

91-003961 Bittner, Ronald A. EFFECT OF TEMPERATURE ON BLUEBIRD AND SWALLOW NESTING DATES. *Blue Jay* 48(4):222-223. 1990. WR 223

[Box 97, Abernethy, SN, Canada S0A 0A0] *Sialia currucoides* and *Tachycineta bicolor* in Canada.

91-003962 Blackburn, Karen. A BIRD IN THE BUSH. *Sialia* 13(1):23-24. 1991. WR 223

[4961 Dogwood Dr., Marianna, FL 32446] *Mimus polyglottos* and *Sialia sialis* in New Jersey.

91-003963 Caccamise, Donald F. and Joseph Fischl. RELATIONSHIPS BETWEEN ROOSTING AND FORAGING FLOCKS: AN EXAMINATION OF INFORMATION EXCHANGE AMONG SPECIES. *In: Granivorous Birds in the Agricultural Landscape. J. Pinowski and J. D. Summers-Smith, editors.* p. 277-290. 1990. WR 223

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[812 Polk St., Vicksburg, MS 39180] *Quiscalus quiscula* and *Passer domesticus* in Mississippi.

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[Connansknowe, Kirkton, Dumfries DG1 1SX, Scotland] *Parus caeruleus* and *Fringilla coelebs* in Scotland.

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[ERC Environ. & Energey Serv. Co., 5510 Morehouse Dr., San Diego, CA 92121] *Sialia mexicana* and *Myiarchus cinerascens* in California.

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[Dep. Biol., Queen's Univ., Kingston, ON, Canada K7L 3N6] *Tachycineta bicolor, Sialia sialis, Troglodytes aedon, Procyon lotor,* and *Elaphe obsoleta* in Canada.

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[Conserv. Comm. Northern Territory, P.O. Box 496, Palmerston, N.T. 0831, Australia] Data for 7 species.

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91-003980 Winding, Norbert. [HABITAT UTILIZATION OF SMALL ALPINE BIRDS IN LATE SUMMER/AUTUMN (HOHE TAUERN, MASSIV, AUSTRIAN CENTRAL ALPS): AUTECOLOGY AND COMMUNITY PATTERNS.] *Ecol. Birds* 12(1):13-37. 1990. In German with English summ. WR 223
[Haus Nat., Mus. Darstellende & Angewandte Nat., Museumsplatz 5, A-5020 Salzburg, Austria] *Anthus spinoletta, Prunella collaris, Phoenicurus ochruros, Oenanthe oenanthe,* and *Montifringilla nivalis.*

BLACKBIRDS, STARLINGS AND CROWS

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91-003982 Bokotei, A. A. and V. A. Potapenko. [ON THE NESTING OF THE MAGPIE (*PICA PICA*) IN METAL NESTS IN LVOV.] *Ornitologiya* No. 24. p. 123. 1990. In Russian. WR 223

91-003983 Butcher, Gregory S. MATE CHOICE IN FEMALE NORTHERN ORIOLES WITH A CONSIDERATION OF THE ROLE OF THE BLACK MALE COLORATION IN FEMALE CHOICE. *Condor* 93(1):82-88. 1991. WR 223
[Cornell Lab. Ornithol., 159 Sapsucker Woods Rd., Ithaca, NY 14850] *Icterus galbula bullockii* in California and Washington.

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[Res. Sandy Neck, 121 Cap'n Lijah's Rd., Centerville, MA 02632] *Corvus brachyrhynchos* in Massachusetts.

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[Div. Biol. & Med., Box G, Brown Univ., Providence, RI 02912] *Cassidix major* in Florida.

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91-003992 Feare, C. J. INTRASPECIFIC NEST PARASITISM IN STARLINGS *STURNUS VULGARIS*: EFFECTS OF DISTURBANCE ON LAYING FEMALES. *Ibis* 133(1):75-79. 1991. WR 223

[Minist. Agric., Fish. & Food, ADAS Cent. Sci. Lab., Tangley Pl., Worplesdon, Surrey GU3 3LQ, England]

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91-003994 Goodburn, S. F. TERRITORY QUALITY OR BIRD QUALITY? FACTORS DETERMINING BREEDING SUCCESS IN THE MAGPIE *PICA PICA*. *Ibis* 133(1):85-90. 1991. WR 223

[Dep. Clinical Genet., Addenbrooke's Hospital, Hills Rd., Cambridge CB2 2QQ, England]

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91-003996 Himmatsinhji; S. N. Varu and N. N. Bapat. REAPPEARANCE OF *STURNUS VULGARIS* LINNAEUS IN KUTCH. *J. Bombay Nat. Hist. Soc.* 87(1):147. 1990. WR 223

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[Burke Memorial Mus. & Dep. Zool., DB-10, Univ. Wash., Seattle 98195] *Agelaius phoeniceus* in Washington.

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[U.S. Anim. & Plant Health Inspection Serv., Denver Wildl. Res. Cent., c/o Monell Chem. Senses Cent., 3500 Market St., Philadelphia, PA 19104-3308] *Sturnus vulgaris* and *Agelaius phoeniceus.*

91-004002 Meijer, Theo. THE EFFECT OF A PERIOD OF FOOD RESTRICTION ON GONAD SIZE AND MOULT OF MALE AND FEMALE STARLINGS *STURNUS VULGARIS* UNDER CONSTANT PHOTOPERIOD. *Ibis* 133(1):80-84. 1991. WR 223
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[WWF Hong Kong, GPO Box 12721, Hong Kong] *Acridotheres cristatellus* in Hong Kong.

91-004004 Ortega, Catherine P. and Alexander Cruz. A COMPARATIVE STUDY OF COWBIRD PARASITISM IN YELLOW-HEADED BLACKBIRDS AND RED-WINGED BLACKBIRDS. *Auk* 108(1):16-24. 1991. WR 223
[DEPOB, Univ. Colo., Boulder 80309-0334] *Agelaius phoeniceus, Xanthocephalus xanthocephalus,* and *Molothrus ater* in Colorado.

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[Dove Cottage, Ringwould, Deal, Kent CT14 8HR, England] *Corvus corone* in England.

91-004011 Stiehl, Richard B. and Steven N. Trautwein. VARIATIONS IN DIETS OF NESTING COMMON RAVENS. *Wilson Bull.* 103(1):83-92. 1991. WR 223
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OTHER PASSERINE BIRDS

91-004019 Adriaensen, F. AN ANALYSIS OF RECOVERIES OF ROBINS (*ERITHACUS RUBECULA*) RINGED OR RECOVERED IN BELGIUM: AGE AND MORTALITY, SPEED, DIRECTION AND DISTANCE OF MIGRATION. *Gerfaut-Giervalk* 78(1):3-24. 1988. From Ecol. Abstr. 1990(6):6406. 1990. WR 223

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AMPHIBIANS AND REPTILES

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Indotestudo elongata and *Manouria emys.*

91-004404 Das, Indraneil. DISTRIBUTIONAL RECORDS FOR CHELONIANS FROM NORTHEASTERN INDIA. *J. Bombay Nat. Hist. Soc.* 87(1):91-97. 1990. WR 223

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[Game & Fresh Water Fish Comm., 4005 S. Main St., Gainesville, FL 32601-9099] *Alligator mississippiensis.*

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91-004416 Frankenberg, Eliezer and Dale L. Marcellini. COMPARATIVE ANALYSIS OF THE MALE MULTIPLE CLICK CALLS OF COLONIZING HOUSE GECKOS *HEMIDACTYLUS TURCICUS* FROM THE SOUTHERN U.S.A. AND ISRAEL AND *HEMIDACTYLUS FRENATUS*. *Isr. J. Zool.* 37(2):107-118. 1990. WR 223

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BOOK REVIEW

Gary C. White and Robert A. Garrott. 1990. *Analysis of Wildlife Radio-Tracking Data*. Academic Press Inc. 1250 Sixth Ave., San Diego, CA 92101. 383 pp. Available from the publisher at $59.95 (cloth).

Wildlife radio-telemetry has been in practical use since about 1963, yet this is the first major publication to discuss in detail the proper design of radio-telemetry studies and analysis of radio-telemetry data. Previous publications by Mech (*Handbook of Animal Radio Tracking*) and Kenward (*Wildlife Radio Tagging*) discuss technical aspects of radio-telemetry and describe telemetry systems, but fail to adequately address study design and data analysis. This book will be a welcome reference in the library of those wildlife professionals involved in studies employing the use of radio-telemetry.

The book is divided into 11 chapters and 9 appendices. The first 3 chapters discuss study design and data collection, and emphasize topics such as hypothesis testing, the need for controls, sample size and independence of locations. The next 2 chapters deal with estimating an animal's location. Some of the mathematical explanation of triangulation and error polygons in the latter 2 chapters are more detailed than the average reader will need or can fully understand, but the authors warn the reader of this in advance and caution those without a strong mathematical background to skip the section. Chapters 6 through 10 cover simple movements, home range estimation, habitat analysis, survival rate estimation, and population estimation, respectively. Each of these chapter cover most of the techniques in use today. Again, the "mathematically unsophisticated" are advised to skip the detailed mathematical explanations. The final chapter discusses the need for a comprehensive software package for analyses of radio-tracking data, and the appendices provide computer programs (IBM-PC compatible) for analyzing telemetry data.

Throughout the book the authors provide real examples and the appropriate computer programs to explain analysis techniques. The authors also discuss strengths and weaknesses of accepted techniques and software programs for analyzing telemetry data. Where examples or programs are not provided, the reader is given specific literature references where more complete explanations can be found.

With the exception of some of the more complicated mathematical explanations, most biologists/scientists will find this a very easy book to read and understand, and an excellent reference to have on hand. White and Garrott have pulled together into one book the majority of the analyses techniques for radio-tracking data in use today, and in so doing have provided a valuable contribution to the wildlife profession.—Michael R. Vaughan, U.S. Fish and Wildlife Service, Cooperative Fish and Wildlife Research Unit, 148 Cheatham Hall, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061-0321.

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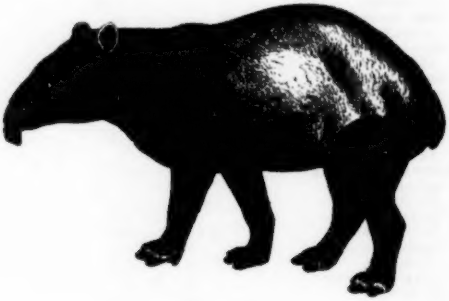
BOOK REVIEW

Griffiths, M. 1990. *Indonesian Eden: Aceh's Rainforest.* Louisiana State University Press, Baton Rouge, LA 70893. 111 pp. Available from the publisher at $24.95 (cloth).

This oversized, elegantly produced book contains excellent photographs of rainforest flora and fauna. The author, a photographer and adventurer, has made numerous expeditions deep into the heart of the rainforest with the assistance of Sumatran guides. Over a 5 year period, he captured some exceptional photographs of wildlife and plants rarely seen.

Griffiths describes the "trials and tribulations" encountered by himself and his team in attempting to obtain photographs of extremely shy, rare, and nocturnal animals. The elaborate set-up of equipment and use of remote cameras was particularly interesting.

I would highly recommend the book to anyone interested in photography, tropical rainforests and their inhabitants, or armchair travelers. However, if your interest is in obtaining technical information and scientific facts, I would advise you to look for other sources of information.—R. Charles Solomon, U.S. Fish and Wildlife Service, National Ecology Research Center, Fort Collins, CO 80525.



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